## Supplementary Table 2 Univariate analysis of the prognosis and different characteristics (categorical variables) of COVID patients.

Characteristics		Prognosis		C4 - 4: -4: -8	D1 a	
	Dead	Unhealed	Improved	Cured	Statistic <sup>a</sup>	P-value <sup>a</sup>
Sex					-1.887	0.059
Male	18	3	39	674		
Female	14	1	46	970		
Marital status					27.057	< 0.0001
Unmarried	0	0	1	66		
Married	19	4	77	1482		
Widowed	12	0	5	73		
Divorced	1	0	2	23		
Occupation					1488.791	< 0.0001
Worker	1	1	6	78		
Farmer	3	1	3	68		
Office worker	0	0	11	168		
Civil servant	0	0	2	42		
Professional and	0	0	1	47		
technological worker						
Self-employed person	0	0	2	42		
Freelancer	0	1	3	111		
Student	0	0	0	16		
Retiree	22	1	41	700		
Unemployed	3	0	10	184		
Others	3	0	6	188		
<b>Exposure history (contact</b>					39.330	< 0.0001
with someone with						
confirmed or suspected						
COVID-19 during the 2						
weeks preceding the onset						
of illness)						
No	0	1	61	936		
Yes	1	0	16	460		
Unknown	31	3	8	248		
Relationship between					9.449	0.05
patients and people with						
COVID-19 to whom they						
were exposed						
Family members	0	0	12	318		
Colleagues	0	0	1	35		
Social interaction	0	0	2	48		

Characteristics		Prognosis	at discharge		Statistic <sup>a</sup>	P-value <sup>a</sup>
	Dead	Unhealed	Improved	Cured		
Shared transportation	0	0	1	11		
Others	32	4	69	1232		
Source of exposure					24.964	$0.001^{*}$
Eating together	0	0	7	118		
Staying in the same room	0	0	6	212		
Living in the same ward	0	0	1	16		
Sharing utensils with patients	0	0	0	5		
Contacting with patient secretions	0	0	0	4		
Treatment and care	0	1	58	769		
Visiting patient	0	0	0	5		
Others	32	3	13	515		
Time period of exposure					14.840	$0.001^{*}$
Prolonged	0	0	10	335		
Brief	0	0	3	97		
Uncertain	32	4	72	1212		
Possible location of					9.518	0.090
exposure						
Home	0	0	12	295		
Workplace	0	0	1	39		
Dormitories	1	0	1	11		
Hospitals	0	0	1	30		
Indoor public places	0	0	4	36		
Others	31	4	66	1233		
Admission route					3.313	0.346
Emergency department	1	0	1	21		
Outpatient department	1	0	5	41		
Referral from other hospitals	3	0	7	109		
Others	27	4	72	1473		
Illness condition on admission					3.342	0.342
Without symptoms	0	0	1	9		
Unknown	0	0	1	2		
Clinically uncertain	1	0	0	19		
With symptoms	31	4	83	1614		
Critical degree on					170.592	<0.0001*
admission						
Dangerous	19	0	8	45		
Emergent	8	0	10	48		
Moderate	5	4	67	1551		
1.10 001000	5		07	1001		

Characteristics		Prognosis	at discharge		C4 4. 4. a	
	Dead	Unhealed	Improved	Cured	Statistic <sup>a</sup>	P-value <sup>a</sup>
Undergoing surgery during					-3.646	$0.000^{*}$
hospitalization						
No	29	4	85	1639		
Yes	3	0	0	5		
<b>Undergoing resuscitation</b>					-16.606	<0.0001*
during hospitalization						
No	2	4	81	1620		
Yes	30	0	4	24		
Developing critical illness					-12.892	<0.0001*
during hospitalization						
No	0	4	60	1495		
Yes	32	0	25	149		
Requiring consultation					144.350	< 0.0001*
during hospitalization						
No	10	4	76	1568		
In-hospital consultation	13	0	8	72		
Consultation with outside	9	0	1	4		
specialists						
Being complex cases during					-9.047	<0.0001*
hospitalization						
No	20	4	82	1625		
Yes	12	0	3	19		
Reported initial symptoms						
Fever	14	3	45	897	-0.730	0.465
Cough	13	1	42	731	-0.355	0.723
Expectoration	4	1	7	100	-1.703	0.089
Dry cough	0	0	2	157	2.939	$0.003^{*}$
Stuffy nose and / or runny	1	0	0	17	0.171	0.864
nose						
Pant	5	0	9	148	-0.966	0.334
Shortness of breath	4	0	5	117	-0.169	0.866
Fatigue	6	2	18	511	2.213	$0.027^{*}$
Chest distress and / or chest	3	0	16	218	-0.711	0.477
pain						
Dizziness and / or headache	0	1	1	26	-0.067	0.946
Abdominal pain and / or	0	0	1	37	1.054	0.292
diarrhea and / or bloating						
Sore throat	0	0	2	56	1.065	0.287
Dyspnea	3	0	5	23	-4.244	< 0.0001*
Hemoptysis	0	0	0	2	0.382	0.703

Palpitation	Chanactaristics		Prognosis	at discharge	C4 - 4° - 4° - 9		
Muscle pain         0         1         1         43         0.642         0.52           Chest and / or back pain         0         0         1         6         -0.748         0.45           Nause and / or vomit         1         1         0         19         -0.556         0.57           Poor appetite         2         0         2         45         -0.401         0.68           Chill         0         0         0         25         1.365         0.17           Disturbance of consciousness and apathy         0         0         0         2         -9.677         <0.0001	Characteristics	Dead	Unhealed	Improved	Cured	Statistic"	P-value <sup>a</sup>
Chest and / or back pain   0	Palpitation	1	0	0	18	0.229	0.819
Nausea and / or vomit 1 1 1 0 19 -0.556 0.578 Poor appetite 2 0 2 45 -0.401 0.688 Chill 0 0 0 0 25 1.365 0.178 Disturbance of consciousness 8 0 0 0 2 -9.677 <0.0001 and apathy Viral pneumonia 0 0 0 0 2 0.382 0.700 Tuberculosis 0 0 0 0 1 0.269 0.788 Unknown 4 0 1 13 -3.697 0.0000 Current symptoms during hospitalization Fever 16 3 48 992 -1.092 0.278 Cough 16 1 48 1019 -1.828 0.066 Chest distress 4 0 20 366 0.667 0.500 Dyspnea 6 0 7 64 -3.631 0.000 Clinical manifestations Fever 1 1 1 27 703 4.136 <0.0001 Clinical manifestations Fever 1 1 1 27 703 4.136 <0.0001 Catarrh of the upper 1 0 6 189 1.950 0.05 respiratory tract Chest distress 1 0 25 450 1.504 0.133 Dyspnea 1 0 14 161 -0.848 0.399 Fatigue 1 0 28 629 3.237 0.001 Diarrhea 0 0 4 70 0.542 0.588 Feverous 4 54 1193 With 20 0 31 451 Self-reported underlying diseases Without 12 4 54 1193 With 20 0 35 481 -2.198 0.028 Self-reported underlying diseases Hypertension 12 0 35 481 -2.198 0.028 Coronary heart disease 4 0 3 93 -0.116 0.900 Chronic bronchitis 1 0 2 38 -0.124 0.90 COPD 0 0 0 2 7 -1.773 0.076 COPD 0 0 0 2 7 -1.773 0.076 Asthma 0 0 0 1 13 -0.020 0.98 Atrial fibrillation 4 0 0 8 -3.870 0.000	Muscle pain	0	1	1	43	0.642	0.521
Poor appetitie         2         0         2         45         -0.401         0.68           Chill         0         0         0         25         1.365         0.17           Disturbance of consciousness         8         0         0         2         -9.677         <0.0001	Chest and / or back pain	0	0	1	6	-0.748	0.455
Chill	Nausea and / or vomit	1	1	0	19	-0.556	0.578
Disturbance of consciousness and apathy	Poor appetite	2	0	2	45	-0.401	0.688
Annion and a pathy   Viral pneumonia   0	Chill	0	0	0	25	1.365	0.172
Viral pneumonia         0         0         0         2         0.382         0.70           Tuberculosis         0         0         0         1         0.269         0.78           Unknown         4         0         1         13         -3.697         0.000           Current symptoms during           hospitalization           Fever         16         3         48         992         -1.092         0.27           Cough         16         1         48         1019         -1.828         0.06           Chest distress         4         0         20         366         0.667         0.50           Dyspnea         6         0         7         64         -3.631         0.00           Clinical manifestations           Fever         1         1         27         703         4.136         <0.0001	Disturbance of consciousness	8	0	0	2	-9.677	<0.0001*
Tuberculosis 0 0 0 1 0.269 0.788 Unknown 4 0 1 13 -3.697 0.000 Current symptoms during hospitalization Fever 16 3 48 992 -1.092 0.278 Cough 16 1 48 1019 -1.828 0.066 Chest distress 4 0 20 366 0.667 0.508 Dyspnea 6 0 0 7 64 -3.631 0.000 Clinical manifestations Fever 1 1 1 27 703 4.136 <0.001 Cough 1 0 34 765 3.873 0.000 Catarrh of the upper 1 0 6 189 1.950 0.05 respiratory tract Chest distress 1 0 25 450 1.504 0.133 Dyspnea 1 0 14 161 -0.848 0.399 Fatigue 1 0 28 629 3.237 0.001 Diarrhea 0 0 0 4 70 0.542 0.588 Previous medical history Without 12 4 54 1193 With 20 0 31 451 Self-reported underlying diseases Hypertension 12 0 35 481 -2.198 0.028 Coronary heart disease 4 0 3 93 -0.116 0.900 COPD 0 0 2 7 -1.773 0.079 Hyperlipoidemia 0 0 0 23 1.308 0.19 Asthma 0 0 1 13 -0.020 0.988 Atrial fibrillation 4 0 0 8 -3.870 0.000	and apathy						
Unknown 4 0 1 13 -3.697 0.000 Current symptoms during hospitalization Fever 16 3 48 992 -1.092 0.27: Cough 16 1 48 1019 -1.828 0.06: Chest distress 4 0 20 366 0.667 0.50: Dyspnea 6 0 7 64 -3.631 0.000 Clinical manifestations Fever 1 1 1 27 703 4.136 <0.001 Clough 1 0 34 765 3.873 0.000 Catarrh of the upper 1 0 6 189 1.950 0.05 respiratory tract Chest distress 1 0 25 450 1.504 0.13: Dyspnea 1 0 14 161 -0.848 0.39 Fatigue 1 0 28 629 3.237 0.001 Diarrhea 0 0 4 70 0.542 0.58: Previous medical history Without 12 4 54 1193 With 20 0 31 451  Self-reported underlying diseases Hypertension 12 0 35 481 -2.198 0.028 Coronary heart disease 4 0 3 93 -0.116 0.900 COPD 0 0 2 7 -1.773 0.070 Hyperlipoidemia 0 0 1 1 13 -0.020 0.98 Atrial fibrillation 4 0 0 8 -3.870 0.000 Atrial fibrillation 4 0 0 8 -3.870 0.000	Viral pneumonia	0	0	0	2	0.382	0.703
Current symptoms during   hospitalization	Tuberculosis	0	0	0	1	0.269	0.788
Pever   16	Unknown	4	0	1	13	-3.697	$0.000^{*}$
Fever         16         3         48         992         -1.092         0.273           Cough         16         1         48         1019         -1.828         0.066           Chest distress         4         0         20         366         0.667         0.503           Dyspnea         6         0         7         64         -3.631         0.000           Clinical manifestations           Fever         1         1         27         703         4.136         <0.0001	Current symptoms during						
Cough         16         1         48         1019         -1.828         0.066           Chest distress         4         0         20         366         0.667         0.500           Dyspnea         6         0         7         64         -3.631         0.000           Clinical manifestations           Fever         1         1         27         703         4.136         <0.0001           Cough         1         0         34         765         3.873         0.000           Catarrh of the upper         1         0         6         189         1.950         0.05           respiratory tract           Chest distress         1         0         25         450         1.504         0.13:           Dyspnea         1         0         25         450         1.504         0.13:           Dyspnea         1         0         28         629         3.237         0.001           Previous medical history         -3.539         0.000           Without         12         4         54         1193           Without         12         4         54	hospitalization						
Chest distress       4       0       20       366       0.667       0.500         Dyspnea       6       0       7       64       -3.631       0.000         Clinical manifestations         Fever       1       1       27       703       4.136       <0.0001	Fever	16	3	48	992	-1.092	0.275
Dyspnea       6       0       7       64       -3.631       0.000         Clinical manifestations       Fever       1       1       27       703       4.136       <0.0001         Cough       1       0       34       765       3.873       0.000         Catarrh of the upper       1       0       6       189       1.950       0.05         crespiratory tract       Chest distress       1       0       25       450       1.504       0.13         Dyspnea       1       0        14       161       -0.848       0.39         Fatigue       1       0       28       629       3.237       0.001         Diarrhea       0       0       4       70       0.542       0.58         Previous medical history         Without       12       4       54       1193         With       20       0       31       451         Self-reported underlying diseases       4       54       1193         Hypertension       12       0       35       481       -2.198       0.028         Coronary heart disease       4       0       3       93 <td>Cough</td> <td>16</td> <td>1</td> <td>48</td> <td>1019</td> <td>-1.828</td> <td>0.068</td>	Cough	16	1	48	1019	-1.828	0.068
Clinical manifestations	Chest distress	4	0	20	366	0.667	0.505
Fever 1 1 27 703 4.136 <0.0001 Cough 1 0 34 765 3.873 0.000 Catarrh of the upper 1 0 6 189 1.950 0.05 respiratory tract Chest distress 1 0 25 450 1.504 0.133 Dyspnea 1 0 14 161 -0.848 0.393 Fatigue 1 0 28 629 3.237 0.001 Diarrhea 0 0 4 70 0.542 0.583 Previous medical history -3.539 0.000 Without 12 4 54 1193 With 20 0 31 451  Self-reported underlying diseases Hypertension 12 0 35 481 -2.198 0.028 Diabetes 5 1 18 202 -2.372 0.018 Coronary heart disease 4 0 3 93 -0.116 0.903 Chronic bronchitis 1 0 2 38 -0.124 0.90 COPD 0 0 2 7 -1.773 0.076 Hyperlipoidemia 0 0 0 1 1 13 -0.020 0.984 Atrial fibrillation 4 0 0 8 -3.870 0.000	Dyspnea	6	0	7	64	-3.631	$0.000^{*}$
Cough         1         0         34         765         3.873         0.000           Catarrh of the upper respiratory tract         1         0         6         189         1.950         0.05           Chest distress         1         0         25         450         1.504         0.13           Dyspnea         1         0         14         161         -0.848         0.39           Fatigue         1         0         28         629         3.237         0.001           Diarrhea         0         0         4         70         0.542         0.58           Previous medical history         -3.539         0.000           Without         12         4         54         1193           With         20         0         31         451           Self-reported underlying diseases           Hypertension         12         0         35         481         -2.198         0.028           Diabetes         5         1         18         202         -2.372         0.018           Coronary heart disease         4         0         3         93         -0.116         0.90 <td>Clinical manifestations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Clinical manifestations						
Catarrh of the upper respiratory tract         1         0         6         189         1.950         0.05           Chest distress         1         0         25         450         1.504         0.13           Dyspnea         1         0         14         161         -0.848         0.39           Fatigue         1         0         28         629         3.237         0.001           Diarrhea         0         0         4         70         0.542         0.580           Previous medical history         -3.539         0.000           Without         12         4         54         1193           With         20         0         31         451           Self-reported underlying diseases           Hypertension         12         0         35         481         -2.198         0.028           Diabetes         5         1         18         202         -2.372         0.018           Coronary heart disease         4         0         3         93         -0.116         0.90           Chronic bronchitis         1         0         2         38         -0.124         0.90	Fever	1	1	27	703	4.136	<0.0001*
respiratory tract  Chest distress 1 0 25 450 1.504 0.13:  Dyspnea 1 0 14 161 -0.848 0.39:  Fatigue 1 0 28 629 3.237 0.001  Diarrhea 0 0 4 70 0.542 0.58:  Previous medical history -3.539 0.000  Without 12 4 54 1193  With 20 0 31 451  Self-reported underlying diseases  Hypertension 12 0 35 481 -2.198 0.028  Diabetes 5 1 18 202 -2.372 0.018  Coronary heart disease 4 0 3 93 -0.116 0.90:  Chronic bronchitis 1 0 2 38 -0.124 0.90  COPD 0 0 2 7 -1.773 0.076  Hyperlipoidemia 0 0 0 23 1.308 0.19  Asthma 0 0 1 13 -0.020 0.98:  Atrial fibrillation 4 0 0 8 -3.870 0.000	Cough	1	0	34	765	3.873	$0.000^{*}$
Chest distress         1         0         25         450         1.504         0.13           Dyspnea         1         0         14         161         -0.848         0.39           Fatigue         1         0         28         629         3.237         0.001           Diarrhea         0         0         4         70         0.542         0.58           Previous medical history         -3.539         0.000           Without         12         4         54         1193           With         20         0         31         451           Self-reported underlying diseases           Hypertension         12         0         35         481         -2.198         0.028           Diabetes         5         1         18         202         -2.372         0.018           Coronary heart disease         4         0         3         93         -0.116         0.90           Chronic bronchitis         1         0         2         38         -0.124         0.90           COPD         0         0         2         7         -1.773         0.076           Hyperlipoidemia	Catarrh of the upper	1	0	6	189	1.950	0.051
Dyspnea         1         0         14         161         -0.848         0.39°           Fatigue         1         0         28         629         3.237         0.001           Diarrhea         0         0         4         70         0.542         0.588           Previous medical history         -3.539         0.000           Without         12         4         54         1193           With         20         0         31         451           Self-reported underlying diseases           Hypertension         12         0         35         481         -2.198         0.028           Diabetes         5         1         18         202         -2.372         0.018           Coronary heart disease         4         0         3         93         -0.116         0.900           Chronic bronchitis         1         0         2         38         -0.124         0.90           COPD         0         0         2         7         -1.773         0.07           Hyperlipoidemia         0         0         23         1.308         0.19           Asthma         0 <td< td=""><td>respiratory tract</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	respiratory tract						
Fatigue 1 0 28 629 3.237 0.001 Diarrhea 0 0 4 70 0.542 0.588  Previous medical history -3.539 0.000 Without 12 4 54 1193 With 20 0 31 451  Self-reported underlying diseases  Hypertension 12 0 35 481 -2.198 0.028 Diabetes 5 1 18 202 -2.372 0.018 Coronary heart disease 4 0 3 93 -0.116 0.908 Chronic bronchitis 1 0 2 38 -0.124 0.90 COPD 0 0 0 2 7 -1.773 0.076 Hyperlipoidemia 0 0 0 23 1.308 0.19 Asthma 0 0 1 13 -0.020 0.986 Atrial fibrillation 4 0 0 8 -3.870 0.000	Chest distress	1	0	25	450	1.504	0.133
Diarrhea         0         0         4         70         0.542         0.583           Previous medical history         -3.539         0.000           Without         12         4         54         1193           With         20         0         31         451           Self-reported underlying diseases           Hypertension         12         0         35         481         -2.198         0.028           Diabetes         5         1         18         202         -2.372         0.018           Coronary heart disease         4         0         3         93         -0.116         0.908           Chronic bronchitis         1         0         2         38         -0.124         0.90           COPD         0         0         2         7         -1.773         0.076           Hyperlipoidemia         0         0         23         1.308         0.19           Asthma         0         0         1         13         -0.020         0.984           Atrial fibrillation         4         0         0         8         -3.870         0.0000	Dyspnea	1	0	14	161	-0.848	0.397
Previous medical history   3.539   0.000	Fatigue	1	0	28	629	3.237	$0.001^{*}$
Without       12       4       54       1193         With       20       0       31       451         Self-reported underlying diseases         Hypertension       12       0       35       481       -2.198       0.028         Diabetes       5       1       18       202       -2.372       0.018         Coronary heart disease       4       0       3       93       -0.116       0.903         Chronic bronchitis       1       0       2       38       -0.124       0.90         COPD       0       0       2       7       -1.773       0.076         Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.984         Atrial fibrillation       4       0       0       8       -3.870       0.000	Diarrhea	0	0	4	70	0.542	0.588
With     20     0     31     451       Self-reported underlying diseases       Hypertension     12     0     35     481     -2.198     0.028       Diabetes     5     1     18     202     -2.372     0.018       Coronary heart disease     4     0     3     93     -0.116     0.903       Chronic bronchitis     1     0     2     38     -0.124     0.90       COPD     0     0     2     7     -1.773     0.070       Hyperlipoidemia     0     0     23     1.308     0.19       Asthma     0     0     1     13     -0.020     0.984       Atrial fibrillation     4     0     0     8     -3.870     0.000	Previous medical history					-3.539	$0.000^{*}$
Self-reported underlying diseases       Hypertension     12     0     35     481     -2.198     0.028       Diabetes     5     1     18     202     -2.372     0.018       Coronary heart disease     4     0     3     93     -0.116     0.908       Chronic bronchitis     1     0     2     38     -0.124     0.90       COPD     0     0     2     7     -1.773     0.076       Hyperlipoidemia     0     0     23     1.308     0.19       Asthma     0     0     1     13     -0.020     0.984       Atrial fibrillation     4     0     0     8     -3.870     0.000	Without	12	4	54	1193		
diseases       Hypertension     12     0     35     481     -2.198     0.028       Diabetes     5     1     18     202     -2.372     0.018       Coronary heart disease     4     0     3     93     -0.116     0.908       Chronic bronchitis     1     0     2     38     -0.124     0.90       COPD     0     0     2     7     -1.773     0.076       Hyperlipoidemia     0     0     23     1.308     0.19       Asthma     0     0     1     13     -0.020     0.984       Atrial fibrillation     4     0     0     8     -3.870     0.000	With	20	0	31	451		
Hypertension       12       0       35       481       -2.198       0.028         Diabetes       5       1       18       202       -2.372       0.018         Coronary heart disease       4       0       3       93       -0.116       0.908         Chronic bronchitis       1       0       2       38       -0.124       0.90         COPD       0       0       2       7       -1.773       0.076         Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.984         Atrial fibrillation       4       0       0       8       -3.870       0.000	Self-reported underlying						
Diabetes       5       1       18       202       -2.372       0.018         Coronary heart disease       4       0       3       93       -0.116       0.908         Chronic bronchitis       1       0       2       38       -0.124       0.90         COPD       0       0       2       7       -1.773       0.070         Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.984         Atrial fibrillation       4       0       0       8       -3.870       0.000	diseases						
Coronary heart disease       4       0       3       93       -0.116       0.90         Chronic bronchitis       1       0       2       38       -0.124       0.90         COPD       0       0       2       7       -1.773       0.076         Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.984         Atrial fibrillation       4       0       0       8       -3.870       0.000	Hypertension	12	0	35	481	-2.198	$0.028^{*}$
Chronic bronchitis       1       0       2       38       -0.124       0.90         COPD       0       0       0       2       7       -1.773       0.076         Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.986         Atrial fibrillation       4       0       0       8       -3.870       0.000	Diabetes	5	1	18	202	-2.372	$0.018^{*}$
COPD       0       0       0       2       7       -1.773       0.076         Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.984         Atrial fibrillation       4       0       0       8       -3.870       0.000	Coronary heart disease	4	0	3	93	-0.116	0.908
Hyperlipoidemia       0       0       0       23       1.308       0.19         Asthma       0       0       1       13       -0.020       0.98         Atrial fibrillation       4       0       0       8       -3.870       0.000	Chronic bronchitis	1	0	2	38	-0.124	0.901
Asthma 0 0 1 13 -0.020 0.984 Atrial fibrillation 4 0 0 8 -3.870 0.000	COPD	0	0	2	7	-1.773	0.076
Asthma       0       0       1       13       -0.020       0.984         Atrial fibrillation       4       0       0       8       -3.870       0.000	Hyperlipoidemia	0	0	0	23	1.308	0.191
	Asthma	0	0	1	13	-0.020	0.984
Bronchiectasis 0 0 0 8 0.768 0.443	Atrial fibrillation	4	0	0	8	-3.870	$0.000^{*}$
	Bronchiectasis	0	0	0	8	0.768	0.443

Characteristics		<b>Prognosis</b>	at discharge		- Statistic <sup>a</sup>	P-value <sup>a</sup>
	Dead	Unhealed	Improved	Cured		
Alzheimer's disease	3	0	1	11	-3.181	0.002*
Parkinson's disease	1	0	0	5	-1.033	0.302
Smoking habits					32.083	< 0.0001*
No	1	1	72	1313		
Yes	0	0	5	69		
Unknown	31	3	8	262		
Treatment						
Oxygen therapy measures	30	3	34	610	-4.161	< 0.0001*
Antiviral therapy	22	3	70	1160	1.814	0.070
Mechanical Ventilation	16	0	0	14	-10.740	< 0.0001*
ECMO	1	0	0	3	-1.535	0.125
Circulatory support	0	0	0	2	0.382	0.703
Renal failure and renal replacement therapy	0	0	0	2	0.382	0.703
Blood purification therapy	0	0	0	2	0.382	0.703
Immunotherapy with	8	0	0	12	-6.253	<0.0001
tocilizumab		-				
Severe or critical child cases	1	0	1	7	-1.866	0.062
Pregnancy with severe or critical illness	0	0	0	1	0.269	0.788
Ground-glass opacity tested					1.825	0.068
by CT or chest radiography						
No	1	1	5	203		
Yes	18	3	80	1433		
Location of ground-glass					5.983	0.649
opacity						
Only right lung	0	0	8	127		
Only left lung	1	0	4	88		
Multiple points of both lungs	17	3	65	1141		
Right and upper left lung	0	0	1	30		
Right and lower left lung	0	0	1	31		
Left and upper right lung	0	0	0	1		
Left and middle right lung	0	0	1	9		
Left and lower right lung	0	0	0	8		
Unknown	14	1	5	209		
Other observations						
obtained from imaging						
Bronchial vascular bundle thickening	6	0	29	458	-0.192	0.848
Swollen lymph node	4	0	14	156	-1.890	0.059

Characteristics		Prognosis	C4 - 4: -4: -9	D 1 9		
	Dead	Unhealed	Improved	Cured	Statistic <sup>a</sup>	P-value <sup>a</sup>
Pleural effusion	7	1	7	76	-3.831	$0.000^{*}$
Outpatient and emergency diagnosis					15.167	0.010*
Confirmed COVID-19 case	20	3	55	1253		
Clinically diagnosed COVID- 19 case	5	1	16	244		
Suspected COVID-19 case	5	0	14	121		
Infected by novel coronavirus	2	0	0	12		
Viral pneumonia	0	0	0	13		
Hypertension	0	0	0	1		
Admission diagnosis					20.195	0.003*
Confirmed COVID-19 case	19	3	58	1249		
Clinically diagnosed COVID-19 case	5	1	15	268		
Suspected COVID-19 case	6	0	12	107		
Infected by novel coronavirus	2	0	0	12		
Viral pneumonia	0	0	0	5		
Hypertension	0	0	0	2		
Chronic bronchitis	0	0	0	1		
Discharge diagnosis					17.773	$0.001^{*}$
Confirmed COVID-19 case	21	3	70	1442		
Clinically diagnosed COVID- 19 case	8	1	13	178		
Suspected COVID-19 case	2	0	2	10		
Infected by novel coronavirus	1	0	0	13		
Pneumonia	0	0	0	1		
Subtype of COVID-19 at					183.009	<0.0001*
discharge						
Mild	0	1	0	24		
Normal	2	2	33	891		
Severe	1	0	8	51		
Critical	16	0	1	9		
Suspected	1	0	1	5		
Clinical diagnosis	6	1	14	173		
Unknown	6	0	28	491		
Consistency between	-			1-	6.246	$0.044^{*}$
discharge and outpatient					2.2.3	
diagnoses						
Consistent	31	4	84	1611		
Uncertain	0	0	1	1		
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Characteristics		Prognosis	at discharge		Statistic <sup>a</sup>	P-value <sup>a</sup>
	Dead	Unhealed	Improved	Cured		
Unknown	1	0	0	32		
<b>Consistency between</b>					6.194	$0.045^{*}$
admission and discharge						
diagnoses						
Consistent	32	4	84	1635		
Uncertain	0	0	1	1		
Unknown	0	0	0	8		
<b>Consistency between</b>					15.139	$0.002^{*}$
preoperative and						
postoperative diagnoses						
Inconsistent	0	0	0	14		
Consistent	3	0	16	106		
Uncertain	0	0	0	2		
Unknown	29	4	69	1522		
<b>Consistency between</b>					2.474	0.480
clinical and pathological						
diagnoses						
Inconsistent	0	0	0	14		
Consistent	0	0	2	11		
Uncertain	0	0	0	1		
Unknown	32	4	83	1618		
<b>Consistency between</b>					1.280	0.734
radiological and						
pathological diagnoses						
Inconsistent	0	0	0	14		
Consistent	0	0	2	21		
Uncertain	0	0	0	2		
Unknown	32	4	83	1607		
The highest evidence of					15.736	$0.003^{*}$
diagnosis						
Clinical diagnosis	14	2	24	374		
Radiography, CT, ultrasound,	1	0	8	98		
endoscopy						
Biochemical and	15	2	29	882		
immunological test results						
Cytological blood smear test	1	0	3	17		
Unknown	1	0	21	273		

<sup>\*</sup>Indicates statistically significant results (p<0.05).

<sup>&</sup>lt;sup>a</sup> The univariate analyses of these categorical variables were conducted by Wilcoxon rank test or Kruskal-Wallis H test, according to the type of these categorial variables.

The Wilcoxon rank test was used to test the relationship between prognosis and dichotomous variables. The Kruskal-Wallis H test was used to test the relationship between prognosis and multivariate variables.